

- first and second detecting elements which rotate according to a rotation of said rotor;
- first and second detecting units for detecting rotations of said first and second detecting elements, respectively; and
- a control unit for detecting a rotation angle of said rotor based on a first signal only when a difference between said first and second signals output from said first and second detecting units ranges within a predetermined range.

The feature that "a control unit for detecting a rotation angle of said rotor based on a first signal only when a difference between said first and second signals output from said first and second detecting units ranges within a predetermined range" is disclosed in the specification as:

"More specifically, if the same waveform is output from first detecting unit 16 and second detecting unit 20 and if the absolute value of phase difference  $\Delta$  between the waveforms does not exceed a predetermined value, control unit 23 determines that first detecting element 12 and second detecting element 17 rotates properly. The rotation angle of rotor 11 is then detected upon the detection signal from either of the detecting elements based on the number of peaks of the triangular waveform and the voltage." (page 7, lines 6-12); and

"control unit 23 determines that a failure occurs with the rotation of detecting element 12 or 17. Controller 23A then outputs a predetermined signal to the electronic circuit (not illustrated) in the vehicle." (page 7, lines 15-18)

No new matter is added.

This feature is not disclosed or even suggested in the cited references.

Newly-added claim 9 defines a rotation angle detector comprising:

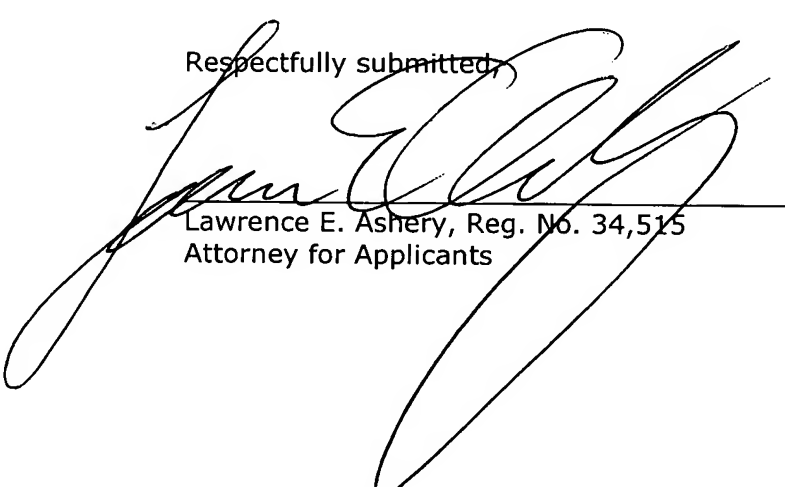
- a rotor;
- first and second detecting elements which rotate according to a rotation of said rotor;

- first and second detecting units for detecting rotations of said first and second detecting elements, respectively;
- a third detecting element which rotates according to the rotation of said first detecting element;
- a third detecting unit for detecting a rotation of said third detecting element; and
- a control unit operable to detect said rotation angle of said rotor based on a first signal output from said first detecting unit and a third signal output from said third detecting unit when a difference between said first signal and a second signal output from said second detecting unit ranges within a predetermined range.

The third detecting element is neither disclosed nor suggested by the references.

Allowance of the above application is respectfully requested.

Respectfully submitted,

  
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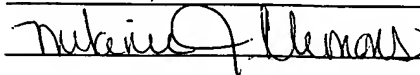
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